



## AI in Finance

Artificial intelligence has been widely adopted in various areas, including natural language processing and computer vision. Recently, researchers have also realized its usefulness in the financial market. To be specific, multiple deep reinforcement learning models have been proven successful.



In this thesis, we want to use techniques of artificial intelligence such as deep learning and reinforcement learning to build models for stock trading. We will use state-of-the-art models including Transformers to develop our model.

**Requirements:** Strong motivation, knowledge in deep learning, or a solid background in machine learning. Experience with PyTorch is an advantage. We will have weekly meetings to address questions, discuss progress and think about future ideas.

**Interested? Please contact us for more details!**

### Contact

- Zhao Meng: [zhmeng@ethz.ch](mailto:zhmeng@ethz.ch), ETZ G61.3